

LX CONNECT DAC



Digital-to-analogue Converter



**available in black only*

roon
TESTED

DSD
Direct Stream Digital



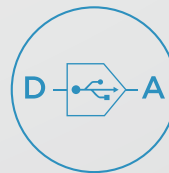
Bluetooth®



For Music, TV,
Computer or Gaming



AV Connection



USB DAC



Headphone Amplifier

Recommended Retail Price: £399

Availability

Order:	July 2022
Shipping:	August 2022

Overview

Founded in the 1970s as a company dedicated to acoustic innovation and development, **Mission** is a brand that purveys lifestyle audio that fuses Hi-Fi heritage with contemporary design. Music leads, technology follows.

The **Mission LX CONNECT DAC** is a stand-alone digital-to-analogue converter, pre-amp and headphone amplifier, derived from the award-winning Mission LX CONNECT wireless speaker system. It fuses the **Mission** mantra of innovative, attractive design and class-leading performance with the latest audio technology, to enhance your audio experience.

Designed to function as a central console for all your music sources, with analogue, optical and coax digital inputs, the **Mission LX CONNECT DAC** also features a dedicated HDMI ARC connection to bring high fidelity, true wireless performance for TV, movies and games. It is even equipped with a Bluetooth aptX receiver for wireless streaming of hi-resolution audio from tablets and smartphones. The **LX CONNECT DAC** is controlled gracefully via the touch-sensitive display, or for even more convenience you can use the included remote. The versatile connectivity options and compact form factor means it can be used as the all-encompassing DAC and pre-amp interface for any amplifier, active speakers, computer audio or head-fi system.

Mission has utilised the audio electronics expertise of sister-company Audiolab, maker of many award-winning DAC and amplifier components, to create the **LX CONNECT DAC** interface.



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It incorporates a high-performance DAC stage based around the ES9018K2M DAC chip, from the Sabre32 Reference family. For ultra-low noise performance and high dynamic range, that ES9018K2M chip is accompanied by proprietary circuitry to make the most of ESS Technology's 32-bit HyperStream architecture and Time Domain Jitter Eliminator.

The **LX CONNECT DAC** supports hi-res PCM files up to 32-bit/384kHz over USB and 24-bit/192kHz via the coaxial and optical inputs; DSD (up to DSD256) is also supported over USB. An RCA-stereo output is provided with fixed and variable output options, fed by a high-quality analogue stage.

A high-quality headphone amp is also included, again derived from Audiolab - with its current-feedback circuitry, excellent gain bandwidth and high slew rate, a dynamic and detailed performance with all manner of headphones is assured.

The Roon platform has become the standard-bearer for high-quality digital music management and streaming. The **LX CONNECT DAC** is officially 'Roon Tested', meaning it has been put through its paces rigorously by Roon and certified for use in a Roon audio environment - for example, when connected to a PC or Mac running Roon software.

As a standalone desktop DAC / headphone amp / pre-amp solution, there aren't many single units that offer a performance and specification to match **LX CONNECT DAC**, in this price segment.



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IAG House, 13/14 Glebe Road, Huntingdon,
Cambridgeshire, PE29 7DL, UK

Audiophile Hub Spot

- Audiophile grade input connectivity options
- ESS Sabre32 ES9018K2M Reference DAC for USB connection
- Optical, coaxial and RCA inputs
- Bluetooth aptX receiver (play audio from smartphones, tablets and computers)
- HDMI ARC input for TV / movie / gaming applications
- Audiophile grade headphone amplifier with 6.3mm headphone output
- Detailed onboard LCD display and tactile control
- Change source / volume control and menu parameters with the included control or use the tactile controls

Roon Tested

- Being Roon Tested means that **Mission** and Roon have collaborated to ensure you have the best experience using Roon software and **Mission** equipment together, so you can just enjoy the music

Audio Inputs

- Digital- USB Type-B
- Digital - HDMI ARC
- Digital - S/PDIF coaxial
- Digital - S/PDIF optical
- Analogue - stereo RCA
- Bluetooth (aptX HD)

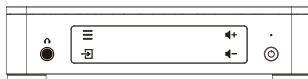
Audio Outputs

- Analogue - stereo RCA
- Analogue - 6.3mm headphone jack



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Specifications



Model	LX CONNECT DAC
General Description	Digital-to-analogue Converter
Design Philosophy And Core Technology	DAC ESS Sabre 9018 Support Music And Movie Mode Headphone Amplifier Support USB Upgrade Pre Delay Setting Room Tested Touch Control
Analogue Input	RCA (AUX)
Digital Input	OPT, COAX, PC USB, Bluetooth, AV Audio
Analogue Output	RCA Pre Out
Pre Amplifier	
Input Sensitivity	300mV (AUX IN, volume = MAX)
Input Impedance	13K (AUX IN)
Variable Output Voltage	0 - 3.2V
Output Impedance	100 ohm
Frequency Response	20Hz-20kHz (+/-0.3dB)
Signal-to-noise Ratio (S/N)	> 100dB (AUX IN, A-weighted) > 110dB (digital Inputs, A-weighted)
Total Harmonic Distortion	< 0.001% (digital sources) < 0.005% (analogue sources)
Sampling Rate	24bit - 192kHz (OPT, COAX) 32bit - 384kHz (USB, PCM) 2.8M for DSD64, 5.6M for DSD128, 11.2M for DSD256 (USB, DSD)
Digital Filters	Fast Roll-off, Slow Roll-off, Minimum Phase
Dimensions	
Height (on feet)	55mm
Width	225mm
Depth (with terminals)	231mm
System	
Carton Size	418 x 280 x 85mm
Net Weight	1.75kg
Gross Weight	1.65kg
Finish	Black
Power Requirements	Adapter - Input: 100-240Vac (50/60Hz) Output: 12V 1A

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